

Title (en)
ELECTRONIC DEVICES CONTAINING ORGANIC SEMI-CONDUCTORS

Title (de)
ELEKTRONISCHE VORRICHTUNGEN ENTHALTEND ORGANISCHE HALBLEITER

Title (fr)
DISPOSITIFS ELECTRIQUES CONTENANT DES SEMICONDUCTEURS ORGANIQUES

Publication
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Application
EP 05784377 A 20050920

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Abstract (en)
[origin: WO2006037458A1] The invention relates to electronic devices containing organic semi-conductors, whereby the halogen content is less than 20 ppm. As a result, the service life and the efficiency of the corresponding electronic devices is increased, and said materials are more suitable for the use in organic electronic devices than materials having a higher halogen content. The invention also relates to corresponding organic semi-conductors and a method for the production thereof.

IPC 8 full level
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CPC (source: EP US)
C08G 61/12 (2013.01 - EP US); **C08G 61/126** (2013.01 - EP US); **C08G 73/00** (2013.01 - EP US); **H10K 71/311** (2023.02 - EP US); **H10K 85/111** (2023.02 - EP US); **H10K 85/615** (2023.02 - EP US); **H10K 71/30** (2023.02 - EP US); **H10K 85/1135** (2023.02 - EP US); **H10K 85/114** (2023.02 - EP US); **H10K 85/115** (2023.02 - EP US); **H10K 85/324** (2023.02 - EP US); **H10K 85/631** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US)

Citation (search report)
See references of WO 2006037458A1

Citation (third parties)
Third party :
• WO 2004055129 A1 20040701 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• WO 2004072205 A2 20040826 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• WO 2004055921 A2 20040701 - PHILIPS INTELLECTUAL PROPERTY [DE], et al
• DIJKEN VAN A. ET AL: "CARBAZOLE COMPOUNDS AS HOST MATERIALS FOR TRIPLET EMITTERS IN ORGANIC LIGHT-EMITTING DIODES: POLYMER HOSTS FOR HIGH-EFFICIENCY LIGHT-EMITTING DIODES.", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 126, no. 24, 1 June 2004 (2004-06-01), pages 7718 - 7727, XP055067498
• BRUNNER K. ET AL: "CARBAZOLE COMPOUNDS AS HOST MATERIALS FOR TRIPLET EMITTERS IN ORGANIC LIGHT-EMITTING DIODES: TUNING THE HOMO LEVEL WITHOUT INFLUENCING THE TRIPLET ENERGY IN SMALL MOLECULES.", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 126, no. 19, 1 May 2004 (2004-05-01), pages 6035 - 6042, XP055011159
• MA D. ET AL: "BRIGHT ELECTROLUMINESCENCE FROM A CONJUGATED DENDRIMER.", APPLIED PHYSICS LETTERS, vol. 81, no. 12, 16 September 2002 (2002-09-16), pages 2285 - 2287, XP001142082

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